

Building Division

T: (714) 754-5273 Mon-Fri 8:00 a.m to 5:00 p.m.

RESIDENTIAL BATHROOM REMODEL Bathroom remodels require compliance with the following Codes: (Must Be On Plans) 2016 California Residential Code (CRC) 2016 California Energy Code (CEnC)

- 2016 California Electrical Code (CEC)
- 2016 California Plumbing Code (CPC)

2016 California Green Code (CalGreen)

interior/exterior openings, etc.

✓ 2016 California Mechanical Code (CMC)

REQUIREMENTS FOR PERMIT SUBMITTAL

Before approval and issuance of a building permit, applicant shall submit four (4) sets of plans (minimum size 11"x 17"), which are drawn to

Sua	ile (minimum 174 . 1 it.), readable, legible, and include the following in	ioiiiialioi	II.
	 <u>Title Sheet</u> including the following: ✓ Project address; and Owner contact information; ✓ Contact information of the person preparing the plans, 		Existing Floor Plan for a floor/story where the remodeled bathroom is located. Specify the existing use of all rooms and areas.
	 ✓ Sheet index, ✓ Scope of work statement; ✓ Building data like Occupancy, type of construction, stories, square footage, and sprinkler. ✓ Vicinity map 		<u>Proposed Bathroom Floor Plan</u> showing type and location of proposed interior cabinetry, countertops, plumbing fixtures, etc. Include construction legend identifying and describing new work and clearly showing the difference between the existing and proposed conditions.
	Site Plan/ Plot plan specify the lot dimensions and distances from the building to property lines and projections. (For addition only)		Electrical Plan, Lighting / Reflected Ceiling Plan (may be combined with floor plan) Construction details for any new/reframed interior walls,

MINIMUM REQUIREMENTS FOR BATHROOM ELECTRICAL, MECHANICAL AND PLUMBING SYSTEMS

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ELECTRICAL		
At least one receptacle outlet shall be installed in bathroom within 3'-0" from basin. At least one 20-ampere branch circuit shall be provided to supply bathroom receptacle outlet(s). Bathroom outlets shall have GFCI protection. [CEC 210.52(D), 210.11(C)(3) & 210.8(A)(1)]		tub shower combination, shall be mechanically venti Unless functioning as a part of a whole house venti system, fans must be controlled by a humidity of
All 125volt, 15-ampere and 20-ampere receptacles shall be listed tamper resistant. [CEC 406.12]		capable of adjustment between a relative humidity of \leq 50 percent to a maximum of 80 percent. The co
Both new and modified branch wiring circuits shall have Arc-fault circuit protection for 120-volt, single phase, 15 and 20- ampere branch circuits supplying outlets in	_	may utilize manual or automatic means of adjustmer control may be a separate component or integral exhaust fan. [CMC 402.5, CalGreen 4.506]
dwellings. [CEC 210.12(A)]		
No part of a hanging fixture is allowed closer than 8 feet above the tub rim or 3 feet horizontally from the tub rim,		square feet, one half of which must be operable. R303.3]
unless light fixture(s) in shower enclosure area is listed for		A bath exhaust fan, with back draft damper and hur control, is required regardless of the presence of a wi
damp areas or listed for wet locations. [CEC 410.10(D)] All installed luminaires shall be high efficacy; either listed		(room containing a bathtub, shower, spa or other s
by source type or by being JA8-2016 certified and labeled.		source of moisture). [CRC R303.3] Exhaust must vent to outdoor in an approved
[CEnC 150.0(k)1A] A minimum of one luminaire shall be installed in each		Terminate the outlet a minimum of 3 feet from an op
bathroom controlled by a vacancy sensor.		or property line. [CMC 502.2.1] Mechanical and gravity outdoor air intake openings
Luminaires recessed into ceilings must meet all of the requirements for: insulation contact (IC) labeling; air leakage; sealing; maintenance; and socket and light		be located a minimum of 10 feet from any plumbing and such opening shall be located a minimum of 3 below the contaminant source. [CRC R303.5.1 & exc
source as described in § 150.0(k)1C. Only JA8-2016-E certified and marked light source, rated for elevated temperature, must be installed by final inspection. [CEnC		
150(k)1C]		openings into the building with back draft da
All exhaust fans shall be switched separately from lighting systems. [CEnC 150(k)2B]		Plumbing vents within ten (10) feet of operable sky shall extend a minimum of three (3) feet above
For occupancies with a horizontal rated separation		openings. [CMC 504.1, 504.5, CPC 906.2]
(floor/ceiling assembly), the recessed fixtures must be		PLUMBING
protected to the rating of the separation (1 hour) or be		Bathrooms, toilet rooms, and laundry rooms shall ha
listed to the required protection. This generally applied to residential condominium construction where units are		ceiling height of not less than 6 feet 8 inches.

above or below other units.

MECHANICAL

Each bathroom, or room containing a bathtub, shower, or
tub shower combination, shall be mechanically ventilated.
Unless functioning as a part of a whole house ventilation
system, fans must be controlled by a humidity control
capable of adjustment between a relative humidity range
of ≤ 50 percent to a maximum of 80 percent. The control
may utilize manual or automatic means of adjustment. The
control may be a separate component or integral to the
exhaust fan. [CMC 402.5, CalGreen 4.506]
Bath and toilet room windows shall not be less than 3
square feet, one half of which must be operable. [CRC
R303.3]
A bath exhaust fan, with back draft damper and humidity
control, is required regardless of the presence of a window
(room containing a bathtub, shower, spa or other similar
source of moisture). [CRC R303.3]
Exhaust must vent to outdoor in an approved duct.
Terminate the outlet a minimum of 3 feet from an opening
or property line. [CMC 502.2.1]
Mechanical and gravity outdoor air intake openings shall
be located a minimum of 10 feet from any plumbing vents
and such opening shall be located a minimum of 3 feet
below the contaminant source. [CRC R303.5.1 & exc 1]
Show fan/duct/vent termination locations. Indicate that fan
and duct openings (environmental air ducts) shall
terminate at least three (3) feet from property lines or
openings into the building with back draft damper.
Plumbing vents within ten (10) feet of operable skylights
shall extend a minimum of three (3) feet above such

toilet rooms shall have an exhaust rate of 50 cfm

PLUMBING

- ns, toilet rooms, and laundry rooms shall have a neight of not less than 6 feet 8 inches. [CRC R305.11
- Provide safety glazing in walls enclosing tubs/showers where the bottom exposed edge of the glazing is less than

60" above a standing surface and drain inlet. [CRC	discharge into an approved water-tight sump or receiving
R308.4.5]	tank, so located as to receive the sewage or wastes by
☐ Showers and tub shower combinations shall be provided	gravity. [CPC 710.2]
with individual control valves of the pressure balance,	WHIRLPOOL/ SPA TUBS
thermostatic, or combination pressure balance and thermostatic types that provide scald and thermal shock	☐ Whirlpool (Spa) bathtubs shall have a readily accessible
protection. [CPC 408.3]	access panel. [CPC 409.6] ☐ The Circulation pump shall be located above the crown
☐ Bathtub and shower floors, walls above bathtubs with a	weir of the trap. [CPC 409.6]
showerhead, and shower compartments shall be finished	☐ The pump and the circulation piping shall be self-draining
with a nonabsorbent surface (e.g., ceramic tile or	to minimize water retention in accordance with standards
fiberglass) over a moisture resistant underlayment (e.g.,	referenced in Table 14-1. [CPC 409.6]
cement, fiber cement, or glass mat gypsum backer)	BIDETS
extending to a height of not less than 6 feet above the	☐ The water supply to bidets shall be protected with air gap
drain inlet. Water-resistant gypsum backing board shall not be used over a vapor retarder in shower or bathtub	or vacuum breaker. [CPC 410.2 & 603.3.5]
compartments. [R702.3.7, R307.2]	☐ The maximum hot water temperature discharging from a
☐ Control valves and showerheads shall be located on the	bidet is limited to 110 degrees by a device that conforms
sidewall of shower compartments, arranged so that the	to ASSE 1070, Standard for Water Temperature Limiting
showerhead does not discharge directly at the entrance to	Devices, or CSA B125.3, Standard for Plumbing Fittings.
the compartment so that the bather can adjust the valves	The water heater thermostat shall not be considered a
prior to stepping into the shower spray. [CPC 408.9]	control for meeting this provision. [CPC 410.3]
☐ A minimum 12"x12" access panel is required when a slip	SMOKE & CARBON MONOXIDE ALARMS
joint p-trap waste & overflow is provided. [CPC 402.10]	☐ Show location(s) of interconnected hard-wired "SMOKE
☐ When additional water closets (toilets) are installed, a	ALARM" with battery backup in the following: [R314]
maximum of 3 water closets are allowed on a 3" waste	a. In each sleeping room.
line.[CPC Table 703.2]	b. Outside of each separate sleeping area in the
The hot water control shall be installed on the left side of	immediate vicinity of the bedrooms c. On each additional story of the dwelling, including
lavatory faucet. [CPC 417.5] Fixture water consumption:	basements and habitable attics, but not including
✓ Residential lavatory faucets shall not have a flow rate of	crawl spaces and uninhabitable attics.
greater than 1.2 gpm and <u>Kitchen faucets</u> 1.8 gpm at 60	d. Provide a note: "SMOKE ALARM shall be
psi. [CPC 407.2.1]	interconnected hard-wired with battery backup."
✓ Water closets, flush tank, flushometer tank, or	e. Battery operated ok only where no access for wiring
flushometer valve operated, shall have an average	in attic or crawlspace.
consumption of not more than 1.28 gallons of water per	☐ Combination smoke and carbon monoxide alarms shall be
flush for both single and dual flush toilets effective July	permitted to be used in lieu of smoke alarms.
1, 2011. [CPC 411.2]	[CRC R314.5]
✓ <u>Showerheads</u> shall have a maximum flow rate of 2.0	☐ For buildings with fuel-burning appliances and/or attached
gpm at 80 psi. [CPC 408.2]	garages, provide an approved CARBON MONOXIDE ALARM at: [R315.1]
☐ Plumbing fixture clearances for fixtures that are not	a. Outside of each separate sleeping area in the
required to conform to accessibility codes: ✓ Water closets shall not be set closer than 15" from its	immediate vicinity of the bedrooms
center to any side wall or obstruction and 30" from	b. On every level of a dwelling unit including basements
center to center of any similar fixture. Provide 24"	c. Provide a note: "CARBON MONOXIDE ALARM shall
minimum clear space in front of fixture. [CPC 402.5]	be interconnected hard-wired with battery backup."
✓ The finished floor slope at shower receptor is min. ½"	[R315.1.3]
and max. 1/2" per foot. [CPC 408.5]	 d. Battery operated ok where no access for wiring.
✓ In no case shall any shower receptor threshold be less	☐ Combination carbon monoxide & smoke alarms shall be
than two (2) inches or exceeding nine (9) inches in	permitted to be used in lieu of carbon monoxide alarms.
depth when measured from the top of the threshold to	[CRC R315.4]
the top of the drain. [CPC 408.5]	WINDOWS/DOORS
✓ New shower compartments shall have a finished interior	☐ Exterior windows/doors added and/or replaced as part of
of 1,024 square inches (7.1 square feet) and shall be	the remodeling project shall be clearly identified on the
capable of encompassing a 30 inch circle. The clearance shall be maintained up to 70 inches of height	plans and shall have a fenestration label with U-Factor
above shower drain. Shower door to be tempered, and	and Solar Heat Gain Coefficient meeting the requirements
provide a min 22" clear unobstructed opening. [CPC	of section [CEnC 110.6] ☐ Safety glazing is required within 60 inches horizontally of
408.6]	the shower enclosure and within 60 inches vertically of the
✓ Plumbing fixtures and fixture fittings for persons with	standing surface.
disabilities shall conform to CBC Chapters 11A or 11B	Standing Sanace.
for specific accessibly codes. [CBC 11A or 11B, 408.6]	
☐ Where a fixture is installed on a floor level that is lower	
than the next upstream manhole cover of the public or	
private sewer (at basement), serving such drainage piping,	
shall be protected from backflow of sewage by installing	
an approved type of backwater valve per [CPC 710.1]	
Drainage piping serving fixtures that are located below the	
crown level of the main sewer (at basement) shall	